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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/527,980	03/15/2005	Adalbert Huber	MERCK-2981	1788	
	23599 7590 12/16/2008 MILLEN, WHITE, ZELANO & BRANIGAN, P.C.			EXAMINER	
2200 CLARENDON BLVD.			HAILEY, PATRICIA L		
SUITE 1400 ARLINGTON, VA 22201			ART UNIT	PAPER NUMBER	
			1793		
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			12/16/2008	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
	10/527,980	HUBER ET AL.			
Office Action Summary	Examiner	Art Unit			
	PATRICIA L. HAILEY	1793			
The MAILING DATE of this communication ap Period for Reply	pears on the cover sheet with the	correspondence address			
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D. - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period. - Failure to reply within the set or extended period for reply will, by statut Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATIO 136(a). In no event, however, may a reply be ti will apply and will expire SIX (6) MONTHS fron e, cause the application to become ABANDONI	N. mely filed n the mailing date of this communication. ED (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on 20 N	s action is non-final. ance except for formal matters, pr				
Disposition of Claims					
4) ☐ Claim(s) <u>1,6,7,9 and 11-26</u> is/are pending in the day of the above claim(s) <u>14</u> is/are withdrawn 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) <u>1,6,7,9,11-13,16-19,21-24 and 26</u> is/7) ☐ Claim(s) <u>15, 20, and 25</u> is/are objected to. 8) ☐ Claim(s) are subject to restriction and/o	from consideration. /are rejected.				
Application Papers					
9) The specification is objected to by the Examina 10) The drawing(s) filed on is/are: a) accomposed as a composition and applicant may not request that any objection to the Replacement drawing sheet(s) including the correct and the correct of the control of the correct of the correc	cepted or b) objected to by the drawing(s) be held in abeyance. Section is required if the drawing(s) is ob	ee 37 CFR 1.85(a). ojected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal I 6) Other:	oate			

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Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on November 19, 2008, has been entered.

Applicants' submission includes an amendment, in which claims 2-5 have been canceled, and new claims 22-26 have been added.

Claims 1, 6, 7, 9, and 11-26 remain pending in this application.

Election/Restrictions

2. Claim 14 remains withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected method for light protection or corrosion protection, there being no allowable generic or linking claim.

Claim 14 was withdrawn as a result of an election by original presentation in the Office Action mailed June 25, 2007.

Claims 1, 6, 7, 9, 11-13, and 15-26 remain under consideration by the Examiner.

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Priority

3. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Applicants' Priority Document was filed on March 15, 2005.

Withdrawn Rejections

The rejections of record stated in the Final Rejection mailed on August 12, 2008, have been withdrawn in view of Applicants' amendments, and in view of Applicants' persuasive arguments traversing said rejections.

New Ground of Rejection

The following New Ground of Rejection is being made in view of Applicants' amendments, and in view of the Examiner's reconsideration of the reference to Schauer et al. (U. S. Patent No. 6,686,046).

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claim Rejections - 35 USC § 103

4. Claims 1, 6, 7, 9, 11-13, 16-19, 21-24, and 26 are rejected under 35 U.S.C. 103(a) as being unpatentable over Schauer et al. (U. S. Patent No. 6,686,046).

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Schauer et al. disclose particles provided with a coating of LCST polymers (claims 1 and 26), prepared by dissolving an LCST polymer in a solvent at a temperature below the LCST, mixing the particles with the resulting solution, and raising the temperature of the resulting mixture to, and optionally beyond, the temperature at which the LCST polymer deposits onto the particle surfaces. See col. 1, lines 48-55 of Schauer et al. (considered to read upon claim 19), as well as col. 2, lines 21-55, which also discloses that the resultant LCST polymer coating applied to the particles exhibits thicknesses preferably greater than or equal to 50 nm (considered to read upon claims 1 and 22), and further discloses that the aforementioned coating process "is very preferably carried out such that subsequently to or during formation of the coating the LCST polymer is rendered immobile on the surface of the substrates to be coated therewith", said immobilizing being rendered either by cross-linking the coating (col. 2, lines 55-60), or by thermodynamically immobilizing the polymer (col. 3, lines 24-32; considered to read upon claims 16-18, 21, 23, and 24).

Exemplary particles that can be coated include pigments. See col. 1, line 66 to col. 2, line 9 of Schauer et al., which also discloses titanium dioxide and iron oxide as specific examples of pigments (claim 9).

The pigments coated by the LCST polymers can be used to produce binder-free pigment pastes containing a carrier medium, preferably water or an organic solvent, which by reason of their freedom from binding agents can be used universally in paints

and varnishes. See col. 4, lines 5-17 of Schauer et al. (considered to read upon **claims 12** and 13).

Examples of the LCST polymers are the same as those recited in Applicants' claim 1. See col. 4, lines 31-40 of Schauer et al.

Schauer et al. at col. 4, lines 18-25 disclose the feasibility in incorporating functional components such as UV stabilizers, chromophores, or luminescent components into the LCST coating. This disclosure is considered to read upon claims 6 and 11.

Regarding **claim 7**, one of ordinary skill in the art would by motivated by the teachings of Schauer et al., and find reasonable expectation in determining through routine experimentation the optimal amounts of additives such as UV stabilizers, chromophores, or luminescent components into the LCST coating.

Lastly, Schauer et al. at col. 4, lines 28-30 disclose that "coating with LCST polymers may also serve to modify the particle surface..."; this disclosure is considered to read upon the claim limitation "surface-modified".

Although Schauer et al. do not explicitly disclose the employment of UCST polymers, as recited in the instant claims, it is noted that these polymers are referred to in the alternative (i.e., "LCST and/or UCST polymer", emphasis added by the Examiner). Therefore, the teachings of Schauer et al. as set forth above are considered to read upon Applicants' claims in their present form.

Further, although Schauer et al. do not explicitly disclose the effect pigments recited in claim 1, it would have been obvious to one skilled in the art to select any known pigments to be coated, motivated by the teachings of Schauer et al. that coating pigment particles with LCST polymer "can improve the compatibility of the particles with the vehicle or matrix, ie (sic) the particles can be rendered compatible with aqueous media or organic media regardless of the nature of the particles." See col. 2, lines 10-19 of Schauer et al.

Response to Arguments

Applicants' arguments regarding the references to Glausch et al. and Winter et al. are persuasive. However, with respect to Schauer et al., Applicants' arguments regarding this reference are not persuasive, as Applicants' claims refer to the LCST and UCST polymers in the alternative ("and/or"). As such, pigments coated with only LCST polymers are considered to read upon Applicants' instant claims.

For these reasons, Applicants' arguments are not persuasive.

Allowable Subject Matter

5. Claims 15, 20, and 25 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

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6. The following is a statement of reasons for the indication of allowable subject matter:

Schauer et al. do not teach or suggest the coating of pigment particles with UCST polymers.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to PATRICIA L. HAILEY whose telephone number is (571)272-1369. The examiner can normally be reached on Mondays-Fridays, from 7:00 a.m. to 3:30 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jerry Lorengo, can be reached on (571) 272-1233. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group 1700 Receptionist, whose telephone number is (571) 272-1700.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/PATRICIA L. HAILEY/ Examiner, Art Unit 1793 December 13, 2008